

Air-cooled electric sec. battery for vehicle - has modular trough in which modules are supported on vertical bars with seals preventing leakage of air around bases

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Equivalents:

Abstract

Individual cells (13) are cooled by air forced from a blower (7) through a duct (5) to an opening (3) in the base of the trough (1) and thence through numerous slots into the spaces between cells (13) which are sepd. by ribbed plates (14).

To improve air distribution the space above the floor is divided into four chambers (e.g. 15a, 15b) with seals (17) on the top edges of the bars (16) supporting each module (10). Air escapes (9) through pivotable covers (8).

USE/ADVANTAGE - As exchangeable battery in vehicle. Temp. regulation and ease of handling of large and heavy batteries are improved.